

Pooled serum from patients

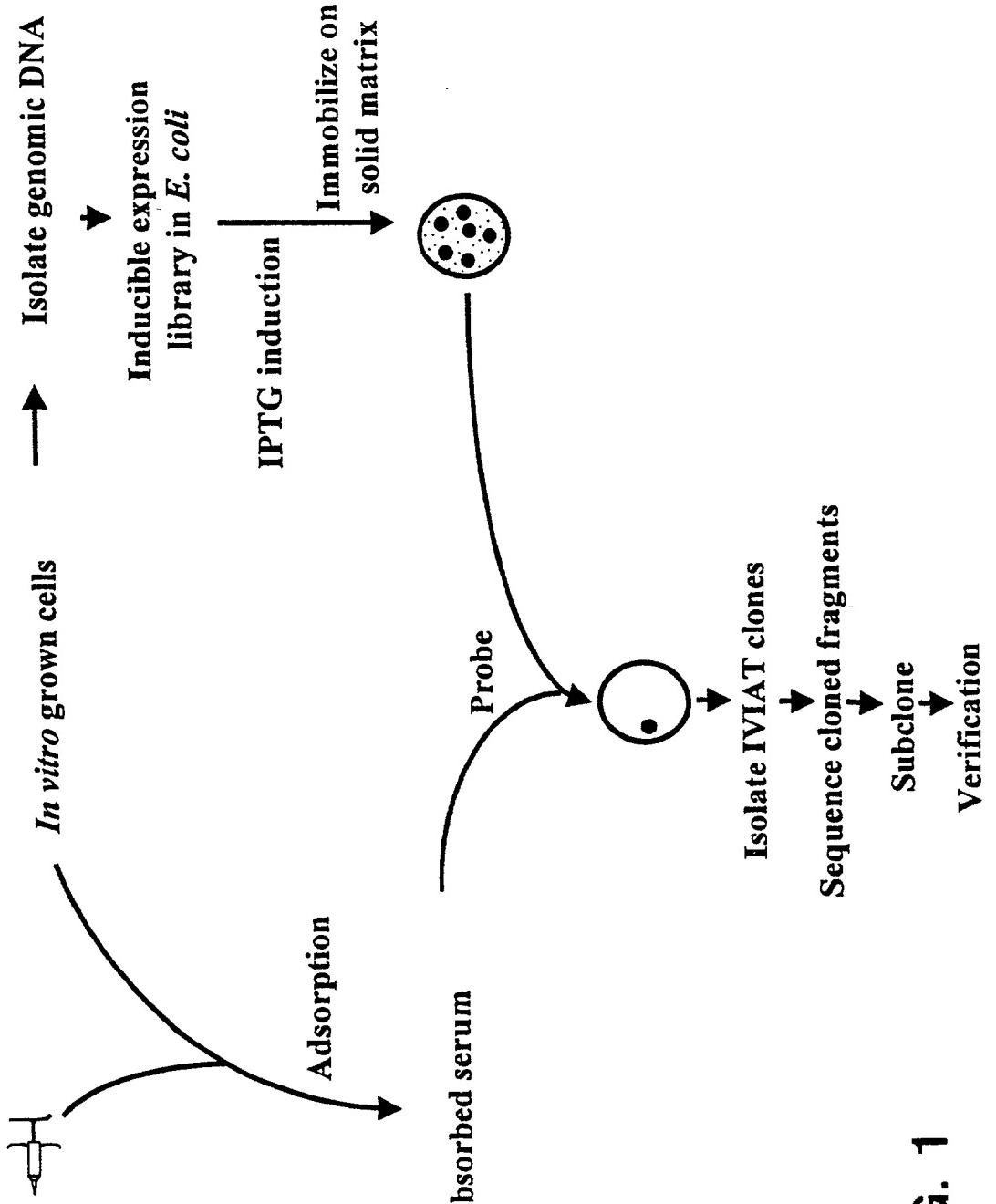


FIG. 1

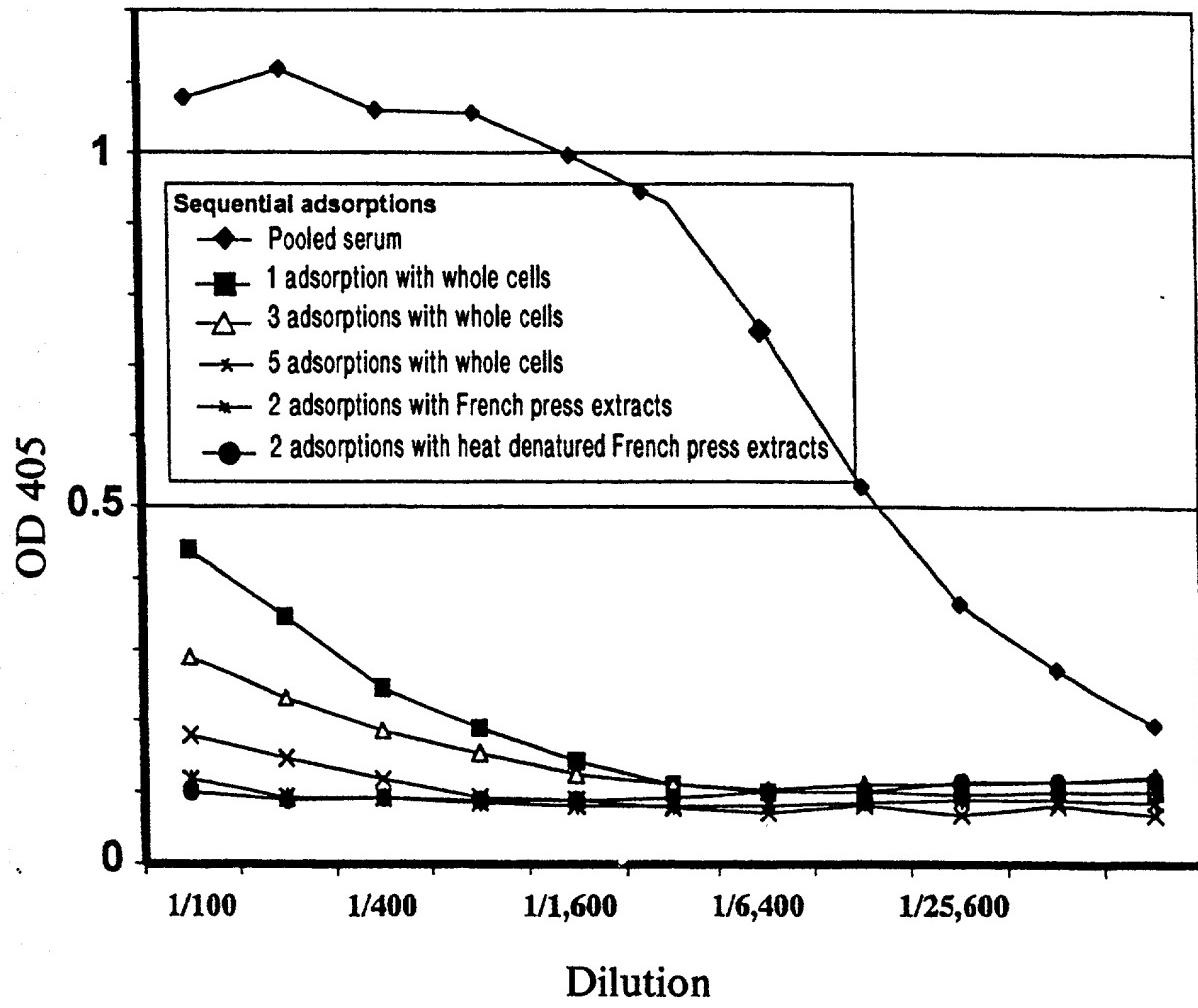


FIG. 2

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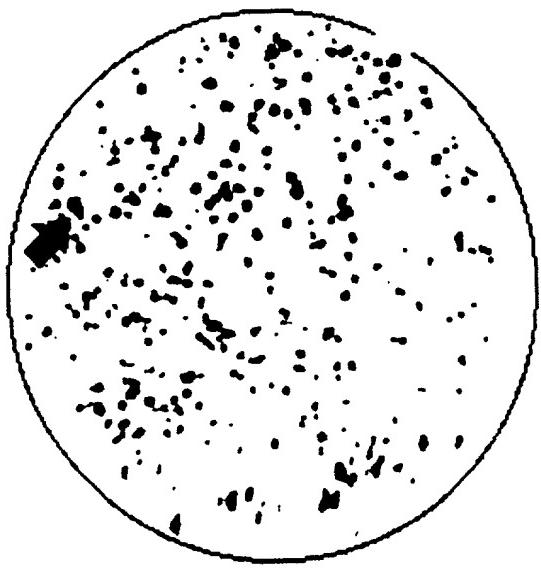


FIG. 3A

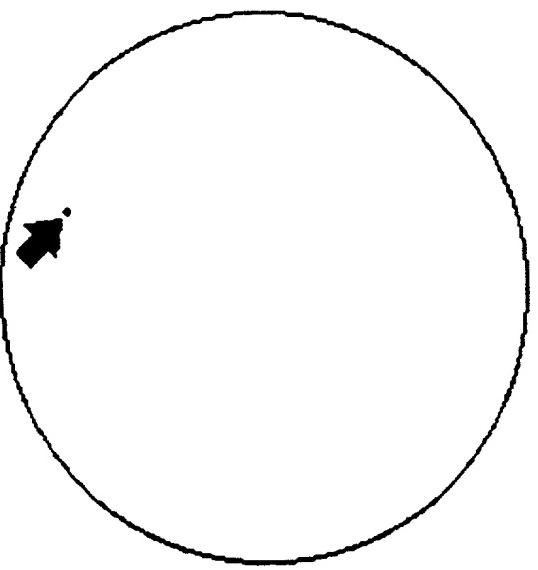
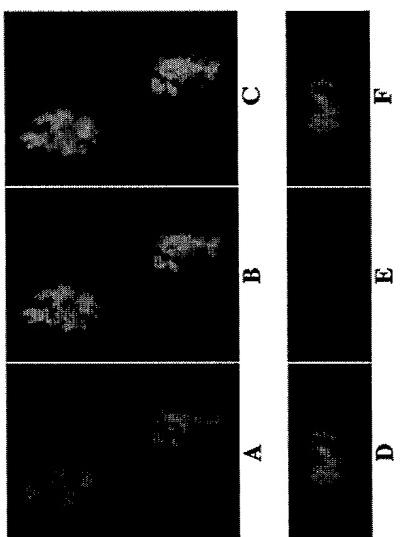


FIG. 3B

Fig. 4



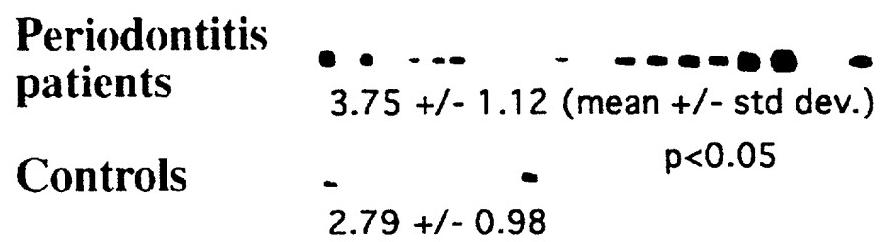


FIG. 5

Table 2. Confirmation and characterization of the IVIAT subclones.

Subclone	Reactivity with human sera +IPTG	Strongest homology (identity at amino acid level)	Organism	Possible biological role	Reference
pET30b/ BL21(DE3) Aa2004	[●]	HlpA (67%)	<i>H. influenzae</i>	Virulence associated	(14)
Aa2005	[●]	Orf4 (100%)	16. actinomy-cetemcomitans	Glycosyltransferase	(15)
Aa2008	[●]	HI0701 (68%)	<i>H. influenzae</i>	Unknown	
Aa2009	[●]	SurE (63%)	<i>H. influenzae</i>	Stress associated	(16)
Aa2010	[●]	HI0457 (83%)	<i>H. influenzae</i>	Unknown	
Aa2011	[●]	KthY (69%)	<i>H. influenzae</i>	Thymidylate kinase	(17)

FIG. 6